

## I. GENERAL

## II. INTERSECTION OPERATION

- ### III. SPECIAL NOTES

- IV. APS will function as follows:

FOR WATKINS MILL ROAD

- FOR FREDERICK AVENUE

- The contact persons for District #3 (Montgomery County) are as follows:

Mr. Steve Custer  
PEPCO Customer Design  
201 W Gude Dr.  
Rockville, MD 20850  
Phone: 301 548-4333

SPEC. NUMBER	DESCRIPTION	QUANTITY
971017	EIGHT PHASE (FULLY ACTUATED) CONTROLLER AND CABINET- BASE MOUNT	1 EA
973023	SHEET ALUMINUM SIGNS GROUND MOUNTED	43 SF
	R1-1 "STOP" SIGN, (36" X 36")	4 EA
	Pedestrian education R10-3(1) sign (9"x15"). (Note: Sign to read "PUSHBUTTON TO CROSS FREDERICK RD".)	2 EA
	Pedestrian education R10-3(1) sign (9"x15"). (Note: Sign to read "PUSHBUTTON TO CROSS WATKINS MILL RD".)	4 EA
973023	SHEET ALUMINUM SIGNS OVERHEAD MOUNTED	158 SF
	D3-(1) "Frederick RD 900" / Frederick RD <900" sign, (variable x 16") dual faced. (mast arm mount)	2 EA
	D3-(1) "Watkins Mill RD 100" / Watkins Mill RD <100" sign, (variable x 16") dual faced. (mast arm mount)	2 EA
	R3-SR "RIGHT TURN ONLY" sign, (30" x 36") (mast arm mount)	3 EA
	R3-SL "LEFT TURN ONLY" sign, (30" x 36") (mast arm mount)	3 EA
	R3-G "LEFT TURN AND THRU" sign, (30" x 36") (mast arm mount)	1 EA
	GUIDE SHIELD ASSEMBLY (48"x72") pole mounted. NORTH / MD 355 / LEFT ARROW	1 EA
	GUIDE SHIELD ASSEMBLY (30"x48") pole mounted. SOUTH / MD 355 / RIGHTARROW	1 EA
	GUIDE SHIELD ASSEMBLY (48"x72") pole mounted. SOUTH / MD 355 / LEFT ARROW	1 EA
	GUIDE SHIELD ASSEMBLY (30"x48") pole mounted. NORTH / MD 355 / RIGHT ATROW	1 EA

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

SPEC. NUMBER	DESCRIPTION	QUANTITY
114280	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS, ANY WIDTH	575 LF
203030	TEST PIT EXCAVATION	12 CY
210026	REMOVAL OF EXISTING SIDEWALK	1 CY
585621	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	1125 LF
585625	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	370 SF
655105	5 INCH CONCRETE SIDEWALK	50 SF
655120	DETECTABLE WARNING SURFACE FOR CURB RAMPS	10 EA
800000	16" Countdown pedestrian signal head.	6 EA
800000	TERRA INTERFACE PANEL	1 EA
800000	TERRA ACCESS POINT	1 EA
800000	TERRA VIDEO CAMERA DETECTOR WITH CONTROL CABLE (UP TO 500').	4 EA
800000	2-WIRE CONTROL UNIT	1 EA
800000	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS	6 EA
800000	1 CONDUCTOR NO 250 KCMIL CU USE CABLE	50 EA
800000	REROUTE INTERCONNECT CABLE.	20 EA
800000	4" SCHEDULE 80 PVC - TRENCHED & 3" SCHEDULE 80 PVC IN SAME TRENCH	1310 LF
800000	2-4" SCHEDULE 80 PVC BORED (2ND CONDUIT IN SAME BORE)	380 LF
800000	4" SCHEDULE 80 PVC (2ND CONDUIT IN ONE TRENCH)	680 LF
801004	CONCRETE FOR SIGNAL FOUNDATION	26.5 CY
802001	TUBULAR STEEL 6 INCH X 4 INCH X 3/8INCH GALVANIZED POST	4 LF
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	875 LF
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	55 LF
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	180 LF
805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	900 EA

## EQUIPMENT LIST (CONT.)

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

SPEC. NUMBER	DESCRIPTION	QUANTITY
805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	45 LF
807202	METERED SERVICE PEDESTAL	1 EA
810022	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG-THHN/THWN	115 LF
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	25 EA
813014	INSTALL GROUND MOUNTED SIGN	42 SF
813015	INSTALL OVERHEAD SIGN	158 SF
818004	10 FOOT BREAKAWAY PEDESTAL POLE	6 EA
818036	STEEL POLE WITH A SINGLE 50 FOOT MAST ARM	1 EA
818041	STEEL POLE WITH A SINGLE 60 FOOT MAST ARM	2 EA
818052	STEEL POLE WITH SINGLE 70 FOOT MAST ARM	1 EA
831010	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	4 EA
837001	GROUND ROD -3/4 INCH DIAMETER X 10 FOOT LENGTH	11 EA
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	54 EA
861104	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	2650 LF
861105	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	1470 LF
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	2475 LF
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	2080 LF
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	1045 LF
862101	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)	760 LF
862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)	280 LF
866103	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	4 EA
873001	REMOVE AND SALVAGE EXISTING EQUIPMENT	LUMP SUM



Ph (410) 590-5500  
Fax (410) 590-6637

5530bgl.dgn

PLOTTED: \$DATETIME\$  
FILE: \$FILE\$

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

MD 355 (N. FREDERICK AVE)  
AND WATKINS MILL ROAD  
GAITHERSBURG, MARYLAND

## GENERAL INFORMATION SHEET

SCALE NONE DATE 11/2/09 CONTRACT NO. BW996M82

DESIGNED BY R R ZACHERL COUNTY MONTGOMERY

DRAWN BY W J NIES LOGMILE           

CHECKED BY \_\_\_\_\_ TMS NO. J905

F.A.P. NO. \_\_\_\_\_ TOD NO. \_\_\_\_\_

TS NO. 2087B	DRAWING NO. 5 OF 6	SHEET NO. OF
--------------	--------------------	--------------

13 NO: 2083B	DRAWING NO: 3 OF 6	SHEET NO: 3
--------------	--------------------	-------------